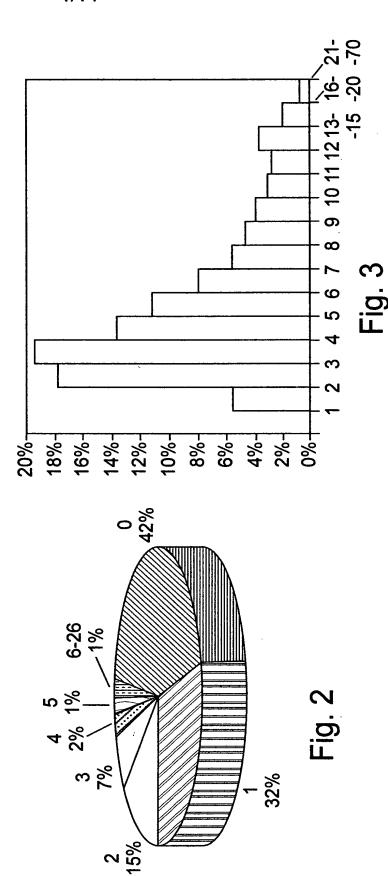
-β-D-GlcpNAc-(1+3) Δ -β D GlcpNAc-(1+3)-β-D Galp-(1+3) -β GalpNac-S) -α-L Fucp-(1+3) Δ -α-L Fucp-(1+3) Δ -β-D Galp-(1+4) α-D-Neup-(2→8) -α-D Neup -(2→8) -α-D-Neup (2→3)-β-D -Galp-(1→4)-β-D-GicpNAc-(1→6) ¬ -β-D-Galp-(1+4)-β-D-Galp-(1+4) ¬ Fig.



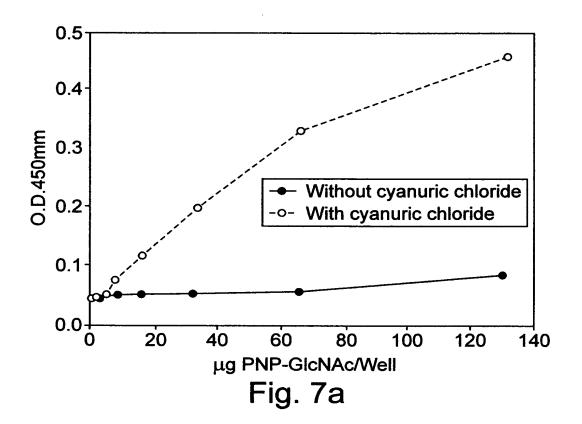
| | | | | | | | | 2/14 | | |
|--------------------------------|--------|--------------|-------------------------------|---|---|---|---|---|--|--|
| Complex carbohydrate formation | | 2 SalpNac-S | 3)-β-D Galp-(1+3)-β GalpNac-S | 4 -β GlcpNAc-(1 +3)-β-D Galp-(1+3) -β GalpNac-S | 5 5 -D Galp-(1+4) -β D GlcpNAc-(1+3)-β-D Galp-(1+3) -β GalpNac-S | 8 - B -D -GlcpNAc -(1+3) -β -D Galp-(1+4) -β D GlcpNAc-(1+3)-β-D Galp-(1+3) -β GalpNac-S) | 7 Salp-(1+3)-β-D Galp-(1+4)-β-D-GlcpNAc-(1+3)-β-D Galp-(1+4)-β-D GlcpNAc-(1+3)-β-D Galp-(1+3)-β-D Galp-(1+3)-β | β -D Galp -(1+3)-β -D Galp -(1+4)-β -D Galp-(1+3)-β -D Galp-(1+3)-β -D Galp-(1+3)-β -D Galp -(1+4)-β -D -GicpNAc -(1+3)-β | -β-D-GlcpNAc-(1+6) -β-D-Galp-(1+4)-β-D-Galp-(1+4) -β-D-Galp-(1+3) -β-D-GlcpNAc-(1+3)-β-D-Galp-(1+3) -β-D-GlcpNac-S) -β-D-GlcpNAc-(1+3) -β-D-GlcpNac-S) -β-D-GlcpNAc-(1+3) -β-D-GlcpNAc-(1+3)-β-D-GlcpNac-S) | 0 -β-D-Galp-(1+4)-β-D-Galp-(1+4) ₇ -β-D Galp-(1+4) ₇ -β-D-GlcpNAc-(1+3) ¹ -β D GlcpNAc-(1+3)-β-D Galp-(1+3) -β GalpNac-S) -α-L Fucp-(1+3) ¹ -α-L Fucp-(1+3) ¹ -α-L Fucp-(1+3) ¹ |
| ER | Step 1 | Step 2 D5 | Step 3 H1 | Step 4 D7 | Step 5 H3 | Step 6 D7 | Step 7 D3 | Step 8 H14 | Step 9 B2 | Step10 D7 |

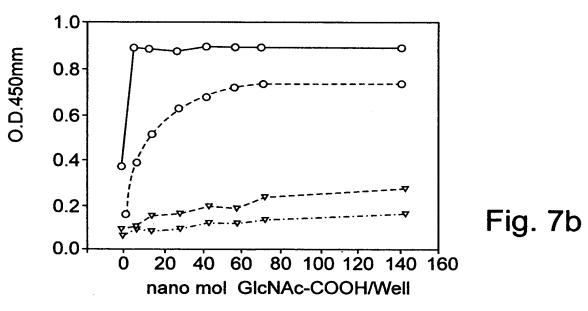
Fig. 4

Figure 5a

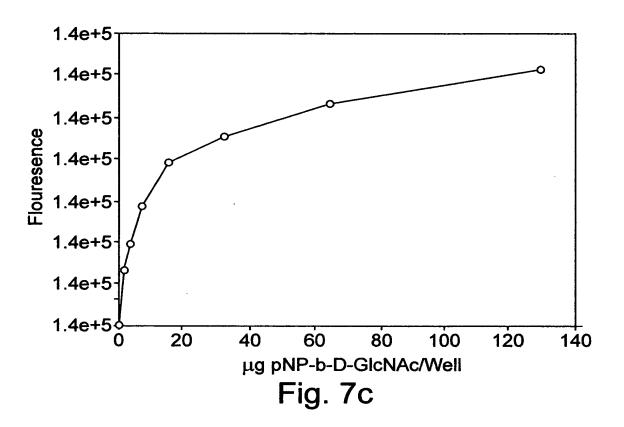
Figure 5b

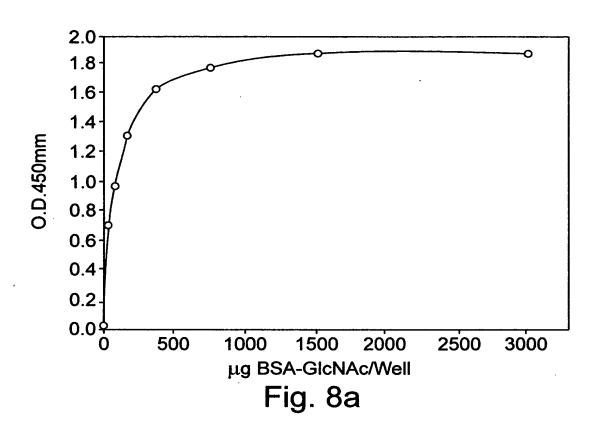
Fig. 6





- No blocking
- -o- BSA blocking
- v- Acetic Anhydride blocking
- -- Acetic Anhydride blocking + BSA blocking





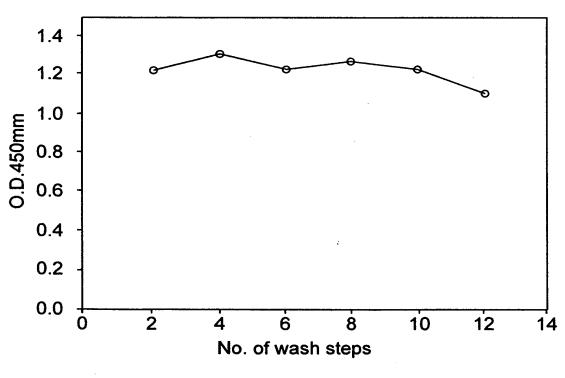
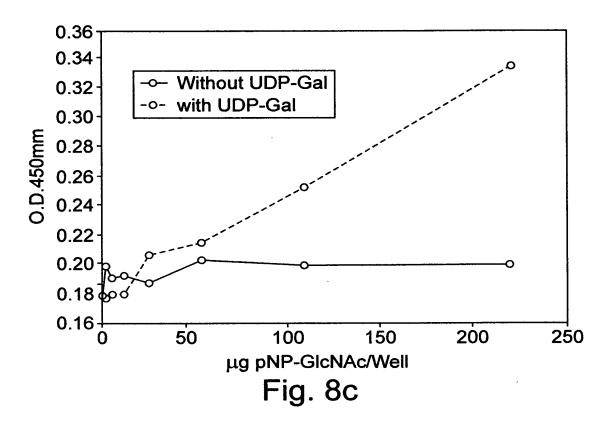
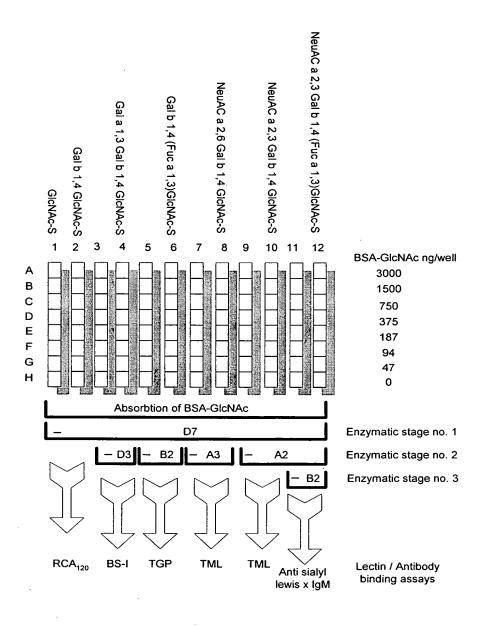
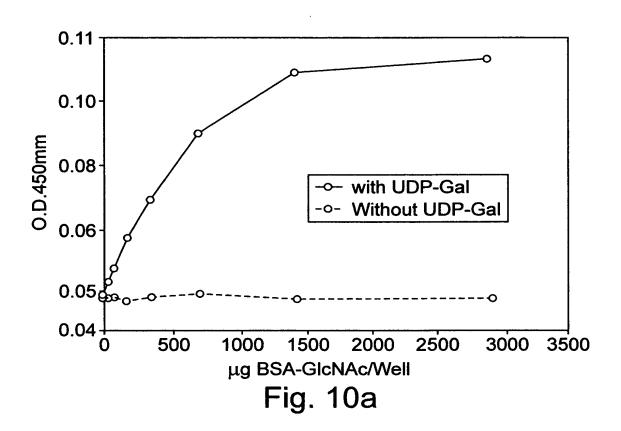
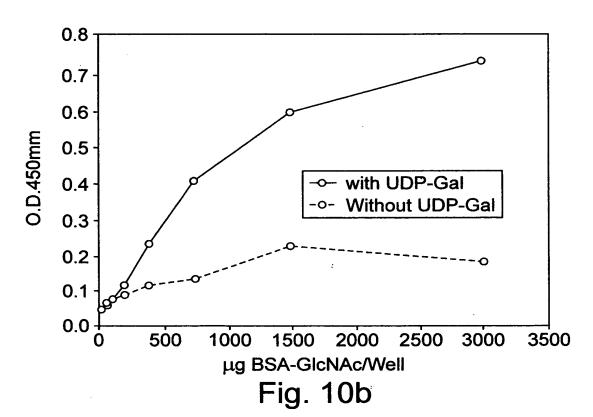


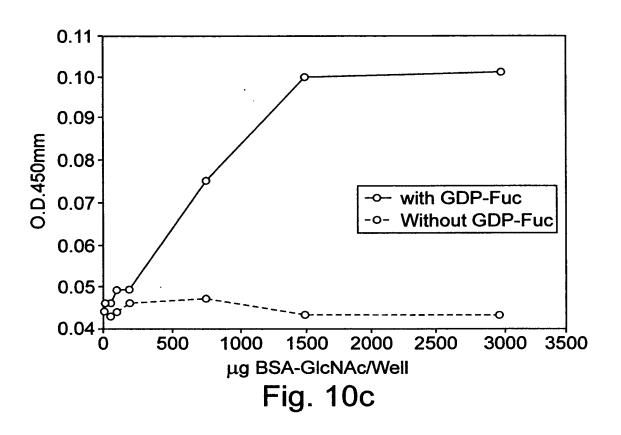
Fig. 8b

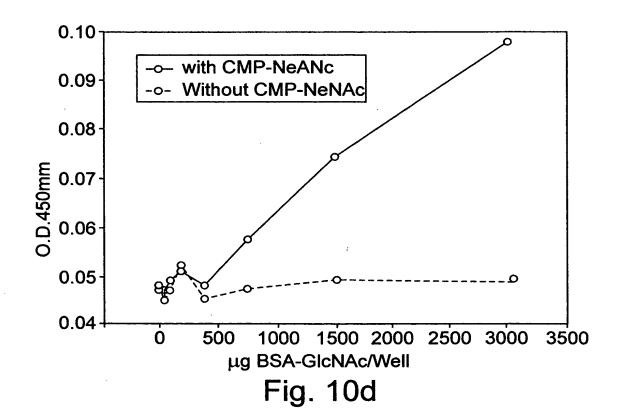


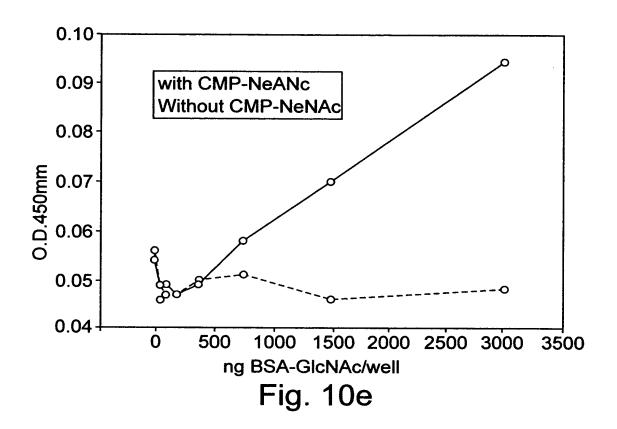


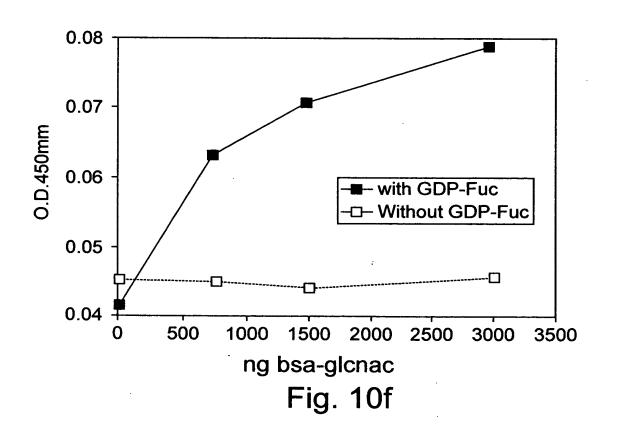


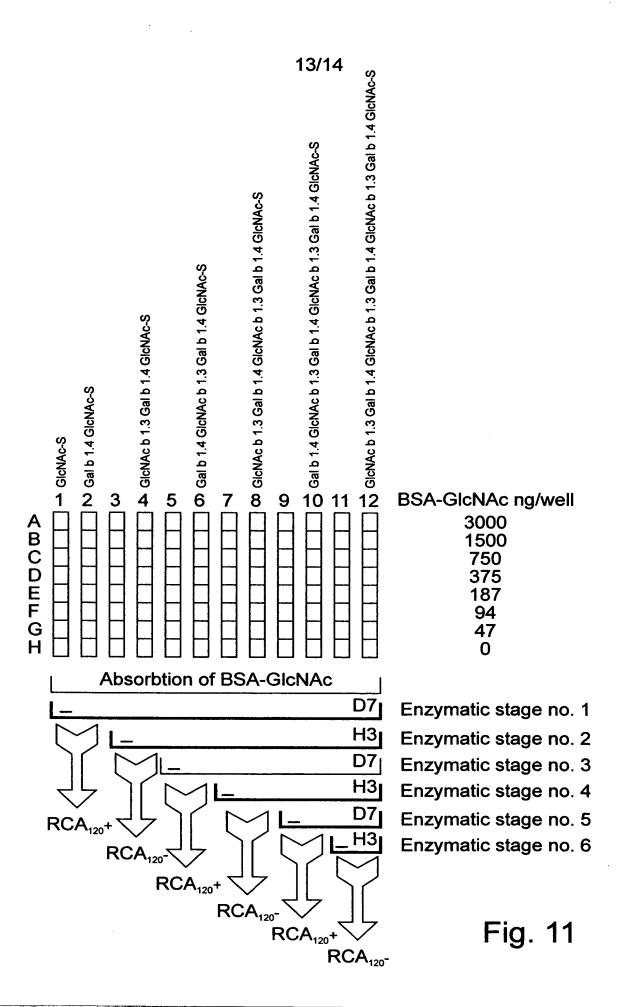












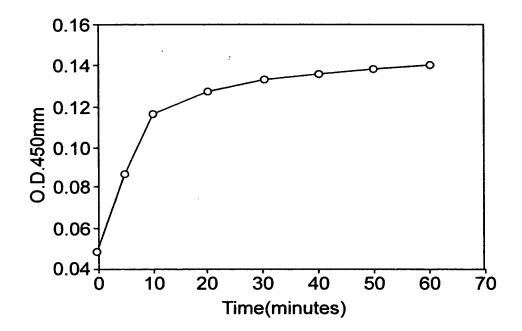
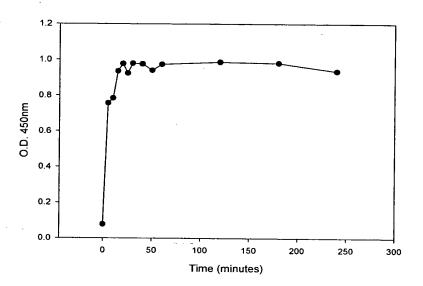


Fig. 12



Fis.13